

Name: \_\_\_\_\_

## ET\_1021 version 1

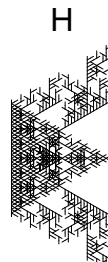
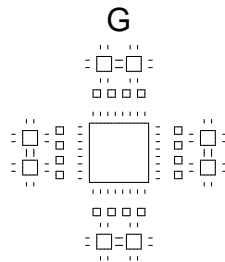
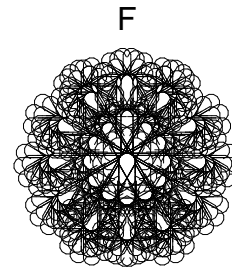
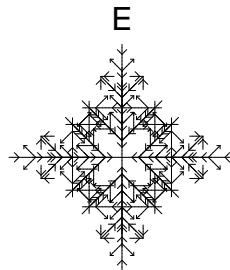
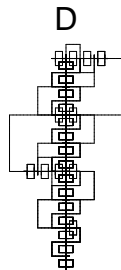
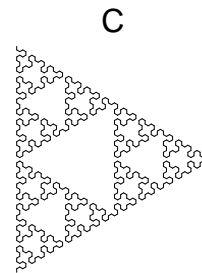
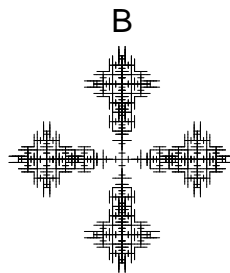
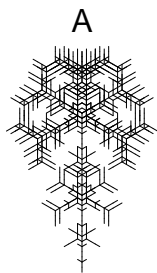
Consider the  $L$ -system (and angle) defined below:

- Start: A+++++.A
- Rules:  
A > B+B+B+B+B+B  
B > B[-CCA] [+CCA]  
C > CC

- Number of recursions (number of iterations): 5
- Angle:  $30^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?

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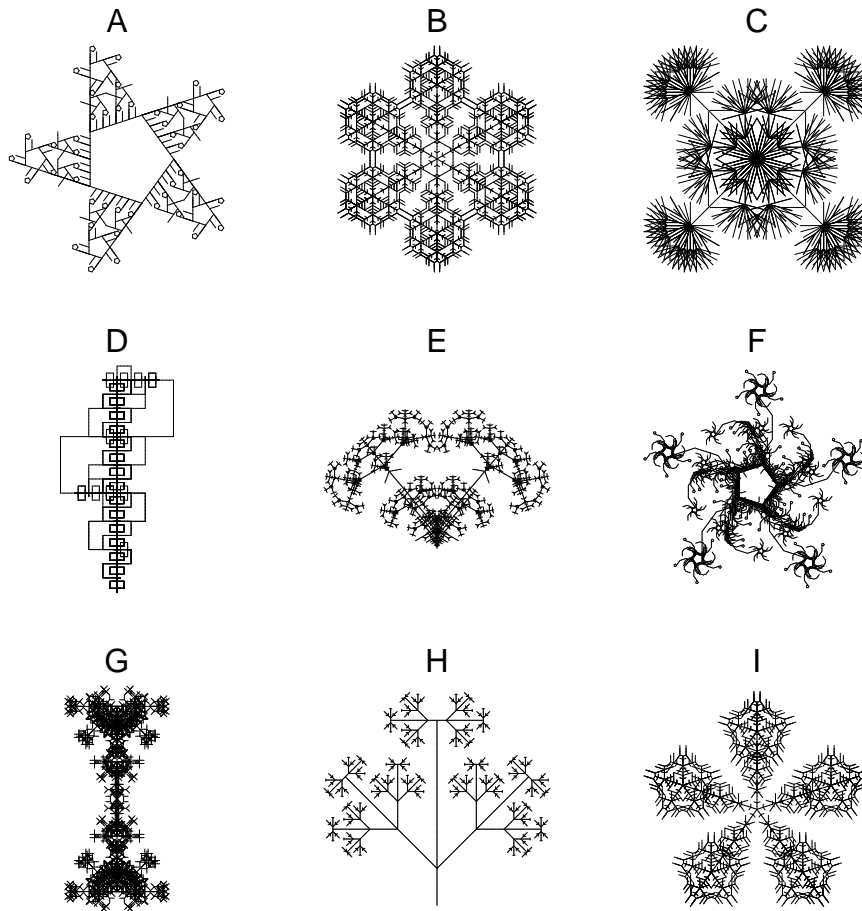
Consider the  $L$ -system (and angle) defined below:

- Start: A
- Rules:  
A  $\rightarrow$  B++A++A++B  
B  $\rightarrow$  AB[A-CC-CC-CCA]BA  
C  $\rightarrow$  CC

- Number of recursions (number of iterations): 5
- Angle:  $90^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?

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